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NOTIFICATION OF THE RECORDING  
OF A CHANGE

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From the INTERNATIONAL BUREAU

To:

TOTAL PETROCHEMICALS RESEARCH FELUY  
Patent Department  
Zone Industrielle C  
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Belgium

Date of mailing (day/month/year)  
06 January 2005 (06.01.2005)

Applicant's or agent's file reference  
F-862 WO

International application No.  
PCT/EP2003/010713

IMPORTANT NOTIFICATION

International filing date (day/month/year)  
24 September 2003 (24.09.2003)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

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2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☐ the address ☐ the nationality ☐ the residence

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13.01.2005

(107)

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3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☒ the designated Offices concerned  
☐ the International Searching Authority ☐ the elected Offices concerned  
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO  
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INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/10713

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C08F10/00 C08F4/642 C07F17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C08F C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
CHEM ABS Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | EP 0 351 392 A (FINA TECHNOLOGY)<br>17 January 1990 (1990-01-17)<br>page 6 -page 9; examples 1-33   | 1-20                  |
| X          | EP 0 818 475 A (FINA RESEARCH)<br>14 January 1998 (1998-01-14)<br>page 7 -page 9; examples 1-14; table 1  | 1-20                  |
| A          | DYSARD, JEFFREY M. ET AL: "Synthesis and Reactivity of .eta.5-Silolyl, .eta.5-Germolyl, and .eta.5-Germole Dianion Complexes of Zirconium and Hafnium"<br>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY (2000), 122(13), 3097-3105 ,<br>XP001148239<br>page 3102; figure 3 | 1-20                  |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

19 January 2004

Date of mailing of the international search report

29/01/2004

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

P/EP 03/10713

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| A          | DYSARD, JEFFREY M. ET AL: ".eta.5-Silolyl and.eta.5-Germolyl Complexes of d0 Hafnium. Structural Characterization of an.eta.5-Silolyl Complex"<br>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY (1998), 120(32), 8245-8246 ,<br>XP001148240<br>see scheme 1<br>page 8246       | 1-20                  |
| A          | LIU, YUXIA ET AL: "Structure and Chemistry of 1-Silafluorenyl Dianion, Its Derivatives, and an Organosilicon Diradical Dianion"<br>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY (2002), 124(1), 49-57 ,<br>XP001148238<br>cited in the application<br>page 52; examples 16-18 | 1-20                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PO/EP 03/10713

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0351392                                | A | 17-01-1990          | US 4892851 A               | 09-01-1990          |
|   |   |                     | AT 200902 T                | 15-05-2001          |
|   |   |                     | AU 610731 B2               | 23-05-1991          |
|   |   |                     | AU 3660589 A               | 18-01-1990          |
|   |   |                     | CA 1338600 C               | 17-09-1996          |
|   |   |                     | CN 1040036 A ,B            | 28-02-1990          |
|   |   |                     | CZ 8903655 A3              | 17-12-1997          |
|   |   |                     | DD 290200 A5               | 23-05-1991          |
|   |   |                     | DD 299651 A5               | 30-04-1992          |
|   |   |                     | DE 68929293 D1             | 07-06-2001          |
|   |   |                     | DE 68929293 T2             | 20-09-2001          |
|   |   |                     | EP 0351392 A2              | 17-01-1990          |
|   |   |                     | ES 2157194 T3              | 16-08-2001          |
|   |   |                     | FI 893140 A ,B,            | 16-01-1990          |
|   |   |                     | JP 2041303 A               | 09-02-1990          |
|   |   |                     | JP 2851867 B2              | 27-01-1999          |
|   |   |                     | KR 145313 B1               | 15-07-1998          |
|   |   |                     | NO 892330 A ,B,            | 16-01-1990          |
|   |   |                     | SK 365589 A3               | 12-06-2000          |
|   |   |                     | RU 2077541 C1              | 20-04-1997          |
|   |   |                     | RU 2017519 C1              | 15-08-1994          |
|   |   |                     | US 5292838 A               | 08-03-1994          |
|   |   |                     | US 5278265 A               | 11-01-1994          |
|   |   |                     | US 5589556 A               | 31-12-1996          |
|   |   |                     | US 5155080 A               | 13-10-1992          |
|   |   |                     | US 5162278 A               | 10-11-1992          |
|   |   |                     | US 5158920 A               | 27-10-1992          |
|   |   |                     | US 5334677 A               | 02-08-1994          |
|   |   |                     | US 5223468 A               | 29-06-1993          |
|   |   |                     | US 5243002 A               | 07-09-1993          |
|   |   |                     | US 5225500 A               | 06-07-1993          |
|   |   |                     | US 5223467 A               | 29-06-1993          |
|   |   |                     | US 5304523 A               | 19-04-1994          |
| EP 0818475                                | A | 14-01-1998          | EP 0818475 A1              | 14-01-1998          |
|   |   |                     | AT 199915 T                | 15-04-2001          |
|   |   |                     | AU 3939897 A               | 09-02-1998          |
|   |   |                     | BR 9710253 A               | 18-01-2000          |
|   |   |                     | CA 2260891 A1              | 22-01-1998          |
|   |   |                     | DE 69704356 D1             | 26-04-2001          |
|   |   |                     | DE 69704356 T2             | 09-08-2001          |
|   |   |                     | DK 910591 T3               | 11-06-2001          |
|   |   |                     | WO 9802469 A1              | 22-01-1998          |
|   |   |                     | EP 0910591 A1              | 28-04-1999          |
|   |   |                     | ES 2156396 T3              | 16-06-2001          |
|   |   |                     | GR 3036105 T3              | 28-09-2001          |
|   |   |                     | JP 2000514488 T            | 31-10-2000          |
|   |   |                     | KR 2000023614 A            | 25-04-2000          |
|   |   |                     | NO 990073 A                | 08-01-1999          |
|   |   |                     | US 6448349 B1              | 10-09-2002          |
|   |   |                     | US 6630550 B1              | 07-10-2003          |